

Abstract of the Disclosure

Five fluorogenic probe hydrolysis reverse transcriptase-polymerase chain reaction (RT-PCR) (TaqManTM) assays are described for serotype-specific detection of dengue 1-4 and group-specific detection of dengue viruses. Type- and group-specific oligonucleotide primers and fluorogenic probes were designed against conserved regions of the dengue genome. The invention provides TaqMan PCR assays, which are rapid, sensitive, and specific screening and serotyping tools for the epidemiological study of dengue infections.

